

# 32.768kHz SMD LOW PROFILE CRYSTAL

ABS05

1.6 x 1.0 x 0.5mm

ABS05



RoHS  
Compliant

**MSL level: 1 (This product is packed with dry packaging)**

## FEATURES:

- Smallest 32.768KHz package available
- 0.5mm height ideal for high density circuit boards
- Ceramic package offers excellent environmental & heat resistance
- Extended temperature -40°C to +85°C for industrial applications

## APPLICATIONS:

- Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Automotive electronics applications
- Wireless communications
- PDA and Palm Pilots

## STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency		32.768		kHz	
Operation Mode	Flexural Mode (Tuning Fork)				
Operating Temperature	-40	-----	+85	°C	
Storage Temperature	-55	-----	+125	°C	
Frequency Tolerance @+25°C	-20	-----	+20	ppm	See options
Temperature Coefficient:	-0.04	-0.03	-0.02	ppm/T <sup>2</sup>	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (ESR)	-----	-----	90	kΩ	
Load capacitance	-----	12.5	-----	pF	See options
Drive Level	-----	-----	0.5	μW	

## OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

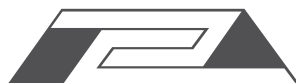
ABS05 – 32.768 kHz - □ - □ - □

Load Capacitance
Blank: 12.5pF
9: 9pF

Frequency Tolerance
Blank: ±20ppm
1: ±10ppm
4: ±30ppm

Packaging
Blank: Bulk
T: Tape & Reel (3000pcs/reel)

Contact Abracon for non- standard capacitance



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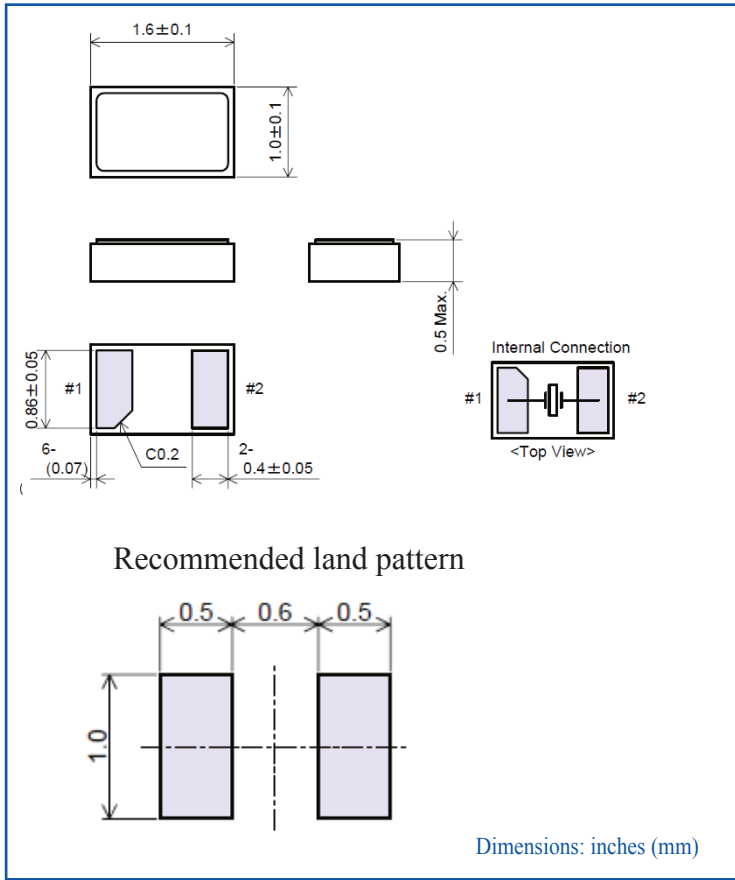
ABS05

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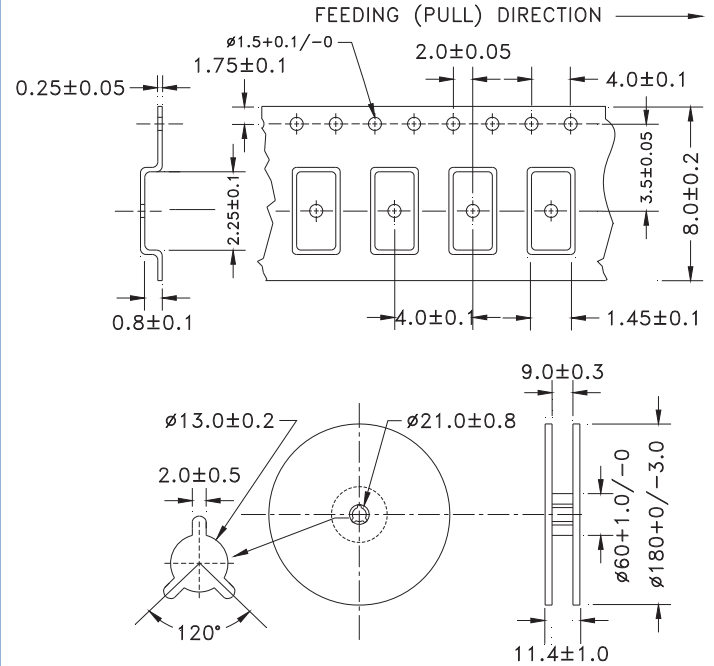


## OUTLINE DRAWING:

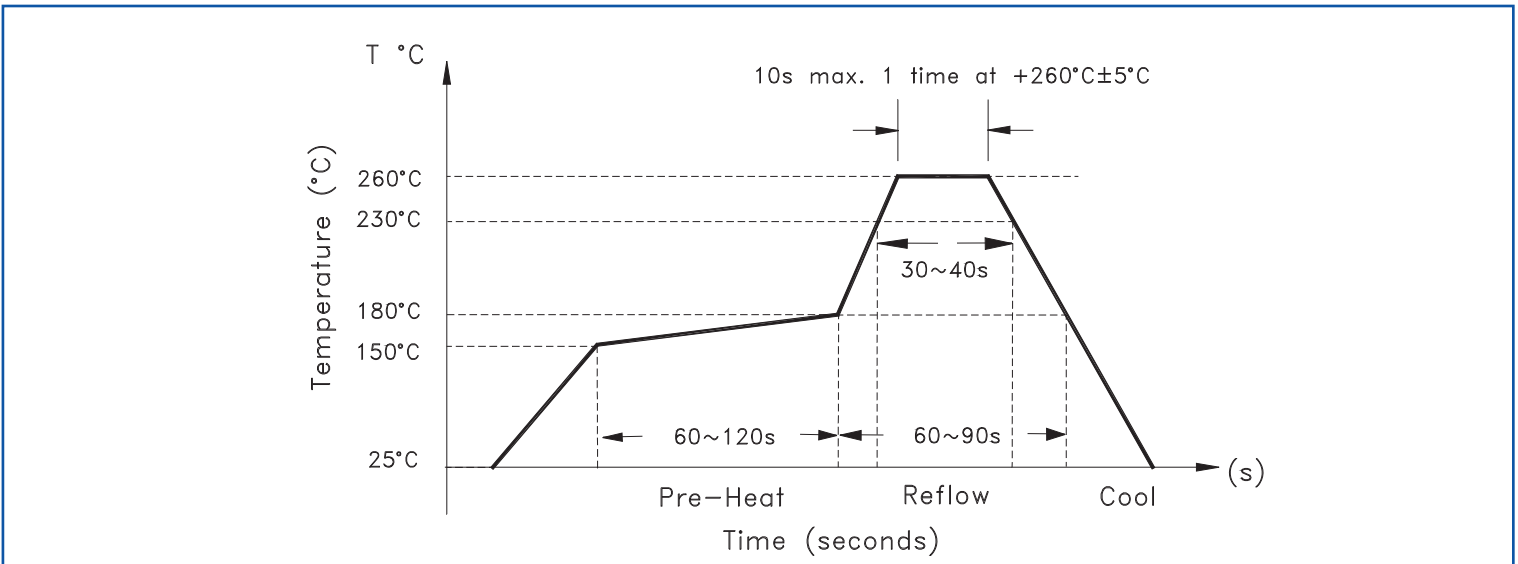


## TAPE & REEL:

T=Tape and reel (3,000pcs/reel)



## REFLOW PROFILE:



Need a test socket for the ABS05 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#). P/N AXS-2012-02-04

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Revised: 06.18.12